

Title (en)  
REFRIGERATOR AND CONTROL METHOD THEREFOR

Title (de)  
KÜHLSCHRANK UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)  
RÉFRIGÉRATEUR ET PROCÉDÉ DE COMMANDE ASSOCIÉ

Publication  
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Application  
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Abstract (en)  
The present invention belongs to the field of refrigeration devices, Provide a refrigerator and a control method thereof. The refrigerator includes a cabinet, a door body which surrounds together with cabinet to form a refrigerating compartment, and a control unit, the door body comprising an inner door and an outer door rotatably coupled to cabinet, refrigerator further comprising a locking mechanism for locking the outer door and an unlocking mechanism for unlocking the outer door, the unlocking mechanism including a sensor configured to obtain a door-opening signal, and an unlocking unit for unlocking the locking mechanism, the sensor and the unlocking unit being both communicatively connected with the control unit; refrigerator further includes a detection unit which is configured to detect an open state or a closed state of the inner door and is communicatively connected with the control unit; When the detection unit detects that the inner door is in a closed state, the control unit controls the unlocking unit to unlock the locking mechanism after receiving the door opening signal from the sensor. The present disclosure avoids damages caused by collision between the inner door and the outer door when the outer door is opened, and also avoids simultaneous opening of the inner door and outer door and facilitates the user to use and achieves an energy-saving effect.

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